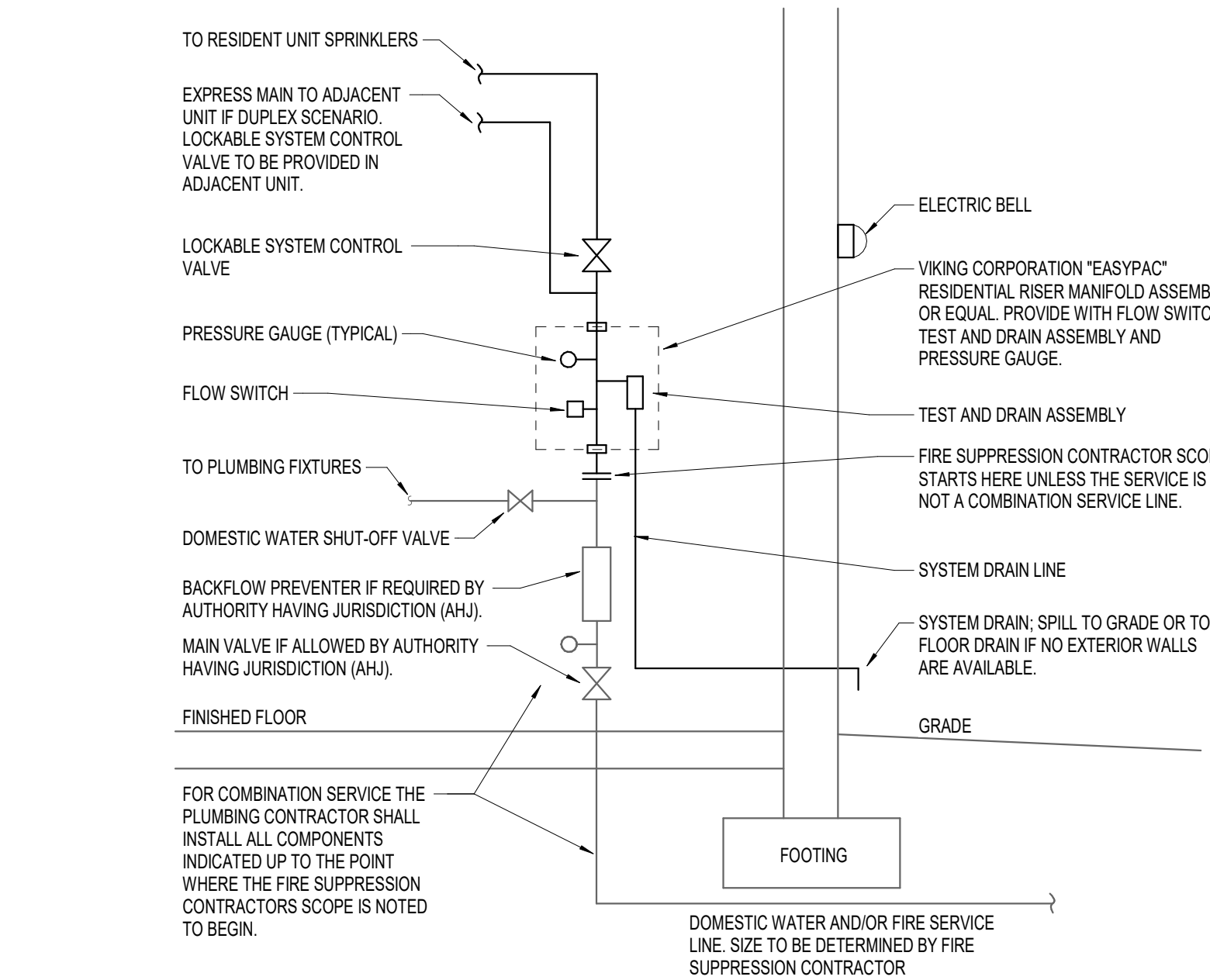


APPROVAL STAMPS

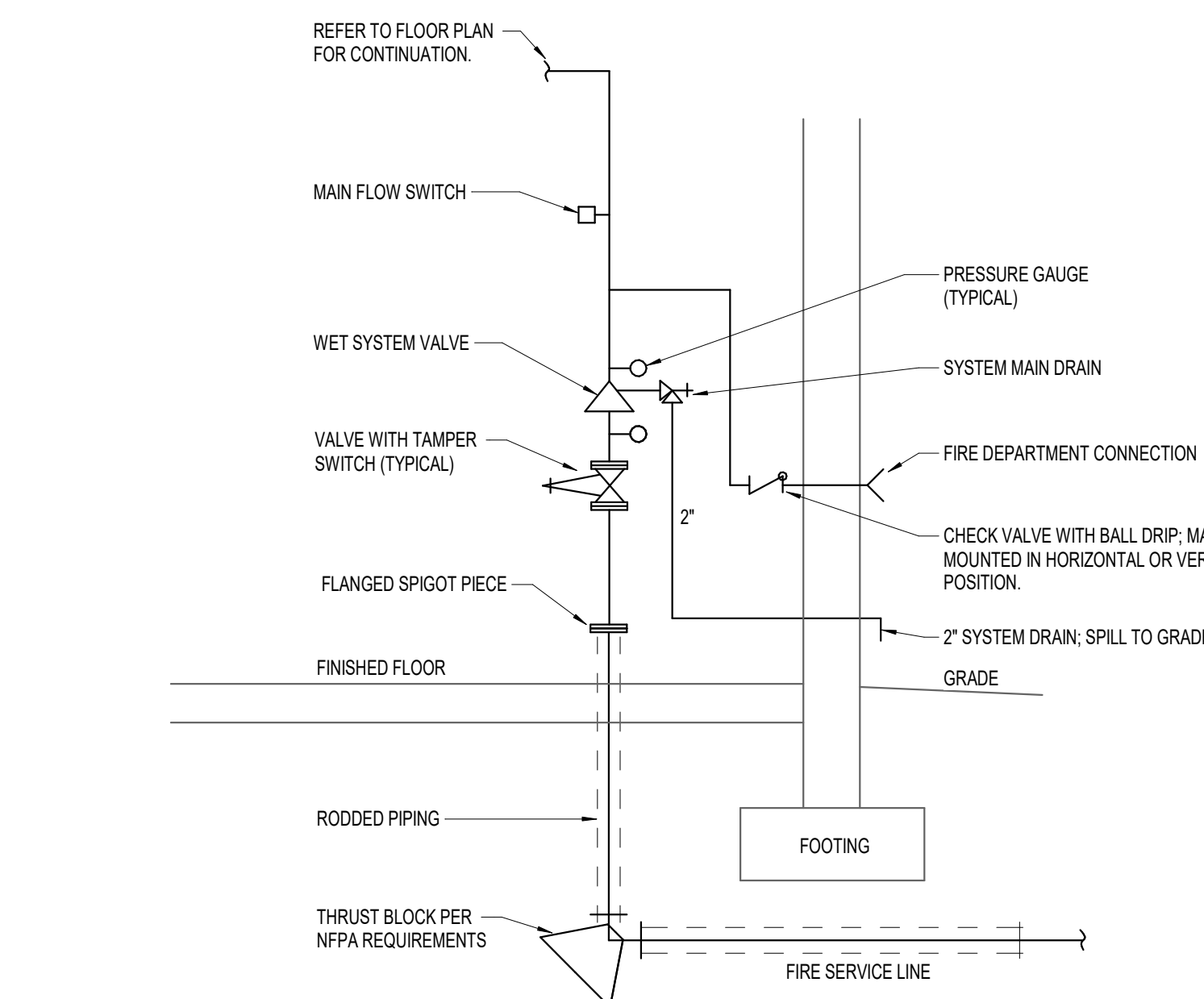
FIRE SUPPRESSION SPECIFICATIONS

1. APPLICABLE PROVISIONS OF THE GENERAL FOR MECHANICAL AND ELECTRICAL INSTALLATIONS, GENERAL AND SPECIAL CONDITIONS AND INSTRUCTIONS TO BIDDERS AND ALL OTHER CONTRACT DOCUMENTS, GOVERN WORK UNDER THIS SECTION.
2. THE CONTRACTOR SHALL PROVIDE ALL ITEMS, ARTICLES, MATERIALS, OPERATIONS OR METHODS LISTED, MENTIONED, OR SCHEDULED ON THE DRAWINGS AND INCIDENTALS NECESSARY AND REQUIRED FOR COMPLETION OF THEIR WORK.
3. ALSO INCLUDED ARE ANY MATERIALS OR DEVICES IN ACCORDANCE WITH THE BEST METHODS FOR FIRST-CLASS PRACTICE AND SHALL BE INSTALLED TO COMPLY WITH THE STANDARDS AND/OR CODES OF THE LATEST APPLICABLE COVERING ISSUES OF NFPA.
4. THE CONTRACTOR FOR THE FIRE PROTECTION INSTALLATION SHALL BE A QUALIFIED FIRE PROTECTION CONTRACTOR, LICENSED BY THE STATE WHERE THE WORK IS BEING PERFORMED AND REGULARLY ENGAGED IN THE INSTALLATION OF AUTOMATIC FIRE SPRINKLER SYSTEMS AND OTHER FIRE PROTECTION EQUIPMENT.
5. ALL WORK TO BE DONE IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA 13B OR NFPA 13C), ALL STATE AND LOCAL CODES AND AUTHORITY HAVING JURISDICTION.
6. BEFORE COMMENCING FIRE PROTECTION INSTALLATION, THE FIRE PROTECTION SUBCONTRACTOR SHALL SUBMIT WORKING DRAWINGS TO THE AUTHORITIES AND/OR AGENCIES SPECIFIED ABOVE, AND TO THE ARCHITECT FOR REVIEW AND APPROVAL, AND/OR ACCEPTANCE.
7. THE FIRE PROTECTION DRAWINGS PIPING LAYOUT IS DIAGRAMMATIC ONLY. THE FIRE PROTECTION CONTRACTOR SHALL ADD ADDITIONAL HEADS AND/OR ALTER DRAWINGS AS REQUIRED TO COMPLY WITH THE DESIGN CRITERIA REQUIREMENTS LISTED ON THE DRAWINGS. THE CONTRACTOR SHALL PREPARE AND SUBMIT SHOP DRAWINGS TO THE ARCHITECT FOR REVIEW AND APPROVAL BEFORE STARTING ANY WORK.
8. ALL VALVES SHALL BE THE SAME MANUFACTURER.
9. ANY PERMITS OR WATER FLOW TEST FOR THE INSTALLATION OR CONSTRUCTION OF ANY OF THE WORK INCLUDED IN THIS SECTION, WHICH ARE REQUIRED BY ANY OF THE AUTHORITIES AND/OR AGENCIES HAVING JURISDICTION, SHALL BE OBTAINED AND PAID FOR BY THE FIRE PROTECTION CONTRACTOR.
10. ALL INSPECTIONS, EXAMINATIONS, AND TESTS REQUIRED BY THE AUTHORITIES AND/OR AGENCIES SPECIFIED ABOVE, SHALL BE ARRANGED AND PAID FOR BY THE FIRE PROTECTION SUBCONTRACTOR. AS NECESSARY TO OBTAIN COMPLETE AND FINAL ACCEPTANCE OF THE FIRE PROTECTION SYSTEM, THE FIRE PROTECTION SUBCONTRACTOR SHALL PROVIDE CERTIFICATES OF ALL SUCH INSPECTIONS TO THE ARCHITECT.
11. ALL INTERIOR PIPING, DEVICES AND COMPONENTS COMPRISING THE FIRE PROTECTION SYSTEM, SHALL BE TESTED IN ACCORDANCE WITH APPLICABLE NFPA STANDARDS.
12. CUTTING, PATCHING, AND PAINTING WILL BE THE RESPONSIBILITY OF THE FIRE PROTECTION CONTRACTOR. ALL COSTS ASSOCIATED WITH THIS WORK SHALL BE INCLUDED IN BID.
13. THE FIRE PROTECTION SYSTEM SHALL BE INSTALLED AS PER NFPA-13, "EARTHQUAKE REQUIREMENTS" WHERE REQUIRED.
14. THE CONTRACTOR SHALL HYDRAULICALLY CALCULATE THE SYSTEM WITH THE UNDERSTANDING THAT THEY MUST OBTAIN APPROVAL OF THEIR HYDRAULIC CALCULATIONS AND SPRINKLER SHOP DRAWINGS FROM THE INSURING AGENCY AND THE STATE FIRE MARSHAL BEFORE SUBMITTING THEM TO THE ENGINEERS FOR REVIEW AND BEFORE FABRICATION.
15. THE CONTRACTOR SHALL HAVE THEIR CALCULATIONS AND DRAWINGS STAMPED BY A "N.C.E.T." LEVEL 3 OR 4 TECHNICIAN BEFORE SUBMITTING THEM.
16. IT SHALL BE THE FIRE PROTECTION CONTRACTOR'S RESPONSIBILITY TO OBTAIN A CURRENT (WITHIN 6 MONTHS) FLOW AND PRESSURE TEST FOR THE SPRINKLER SERVICE.
17. INTERIOR ABOVE FLOOR PIPING SCHEDULE PIPING UTILIZED IN DRY SYSTEM TO BE PROVIDED WITH A FACTORY APPLIED "MICROBIOLOGICALLY INFLUENCED CORROSION (MIC) RESISTANT COATING".

- A. SPRINKLER SYSTEM PIPING, NPS 2 AND SMALLER, SHALL BE ONE OF THE FOLLOWING:
1. SCHEDULE 40, BLACK-STEEL PIPE WITH THREADED ENDS, UNCOATED, GRAY-IRON THREADED FITTINGS, AND THREADED JOINTS.
 2. SCHEDULE 40, BLACK-STEEL PIPE WITH ROLL-GROOVED ENDS, UNCOATED, GROOVED-END PIPE COUPLINGS FOR STEEL PIPING, AND GROOVED JOINTS.
 3. SCHEDULE 40, BLACK-STEEL PIPE WITH FLAN ENDS, STEEL WELDING FITTINGS, AND WELDED JOINTS.
- B. SPRINKLER SYSTEM PIPING, NPS 3/4 AND LARGER, SHALL BE ONE OF THE FOLLOWING:
1. SCHEDULE 40 OR SCHEDULE 10, BLACK-STEEL PIPE WITH THREADED ENDS, UNCOATED, GRAY-IRON THREADED FITTING, AND THREADED JOINTS.
 2. SCHEDULE 40 OR SCHEDULE 10, BLACK-STEEL PIPE WITH ROLL-GROOVED ENDS, UNCOATED, GROOVED-END FITTINGS FOR STEEL PIPING, GROOVED-END PIPE COUPLINGS FOR STEEL PIPING, AND GROOVED JOINTS.
 3. SCHEDULE 40 OR SCHEDULE 10, BLACK-STEEL PIPE WITH FLAN ENDS, STEEL WELDING FITTINGS, AND WELDED JOINTS.



2 NFPA 13D DOMESTIC/FIRE SERVICE ENTRANCE DETAIL
SPO.10 N.T.S.



1 NFPA 13R FIRE SERVICE ENTRANCE DETAIL
SPO.10 N.T.S.

GENERAL FIRE SUPPRESSION NOTES

- A. ALL PIPE SIZES INDICATED ON PLANS ARE MINIMUM PIPE SIZES. THE FIRE PROTECTION CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING ALL PIPE SIZES, PIPING CONFIGURATIONS, AND ETC., AS REQUIRED TO MEET SYSTEM HYDRAULIC CALCULATIONS, BUILDING CONDITIONS, ALL APPLICABLE NFPA STANDARDS AND BUILDING CODES, LOCAL ORDINANCES.
- B. CONTRACTOR SHALL FURNISH AND INSTALL A COMPLETE FIRE PROTECTION SYSTEM TO PROVIDE COVERAGE FOR THE COTTAGES AND VILLAS. INCLUDE ALL PIPING AND ACCESSORIES PER THE REQUIREMENTS OF ALL APPLICABLE NFPA STANDARDS AND OWNERS FIRE AND CASUALTY INSURER.
- C. THE SPRINKLER SYSTEM SHALL BE INSTALLED ACCORDING TO ALL FEDERAL, STATE, LOCAL, AND NFPA STANDARDS. ANY WORK INDICATED ON PLANS THAT IS ABOVE AND BEYOND REGULATIONS SHALL BE INSTALLED AS INDICATED ON PLANS OR IN SPEC.
- D. THE FIRE PROTECTION CONTRACTOR SHALL AVOID CONFLICT WITH DUCTWORK, LIGHTS, CONDUITS, PIPING, STRUCTURAL MEMBERS, AND ETC. AND RE-ROUTE LINES AS REQUIRED.
- E. SPRINKLER HEADS LOCATED IN LAY-IN CEILINGS SHALL BE LOCATED IN CENTER OF TILES, ONE DIRECTION AND NO CLOSER THAN 12\"/>

SPRINKLER HEAD SCHEDULE

TYPE	LOCATION
QUICK RESPONSE, CONCEALED TYPE SPRINKLER HEAD WITH WHITE COVER PLATE	AREAS WITH DRYWALL OR HARD CEILINGS
QUICK RESPONSE, UPRIGHT TYPE SPRINKLER HEAD (MAY USE PENDANT WHERE APPLICABLE)	MECHANICAL ROOMS AND SIMILAR SPACES WITHOUT CEILINGS
QUICK RESPONSE, CONCEALED TYPE SPRINKLER HEAD WITH WHITE COVER PLATE	LIVING / DINING AREAS AND SIMILAR SPACES WITH VAULTED WOOD CEILINGS

FLOW TEST INFORMATION

FLOW TEST PERFORMED BY: XXX
FLOW TEST PERFORMED ON: XX/XX/XX
STATIC PRESSURE: XX PSI
RESIDUAL PRESS: XX PSI
FLOW: XX GPM

NOTE:
INFORMATION INDICATED ON THESE DRAWINGS IS FOR DESIGN INTENT AND INFORMATION ONLY. THE DESIGN AND LAYOUT OF THE FIRE SUPPRESSION SYSTEM FOR THIS BUILDING IS A DELEGATED DESIGN TO BE PROVIDED BY A LICENSED FIRE SUPPRESSION CONTRACTOR. ALL TAMPER SWITCHES, FLOW SWITCHES, PRESSURE SWITCHES AND ELECTRICAL CONNECTIONS ASSOCIATED WITH THE SYSTEM ARE NOTED ON THESE DOCUMENTS TO ASSIST THE DELEGATED DESIGN FIRE SUPPRESSION AND FIRE ALARM CONTRACTORS IN PREPARING THEIR DOCUMENTS. FIRE SUPPRESSION CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE EXACT QUANTITIES AND LOCATIONS OF ALL POINTS TO BE MONITORED WITH FIRE ALARM CONTRACTOR.

NOTE:
FIRE SUPPRESSION SHOP DRAWINGS, PRODUCT DATA AND HYDRAULIC CALCULATIONS SHALL BE SUBMITTED AS ONE COMPLETE SUBMITTAL PACKAGE. INFORMATION INCLUDED IN SUBMITTAL SHALL BE PROJECT SPECIFIC AND CLEARLY IDENTIFIED.

PROJECT TITLE
Collington
A KENDAC AFFILIATE
**INDEPENDENT LIVING
CONSTRUCTION DOCUMENTS**
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Engineering
Planning
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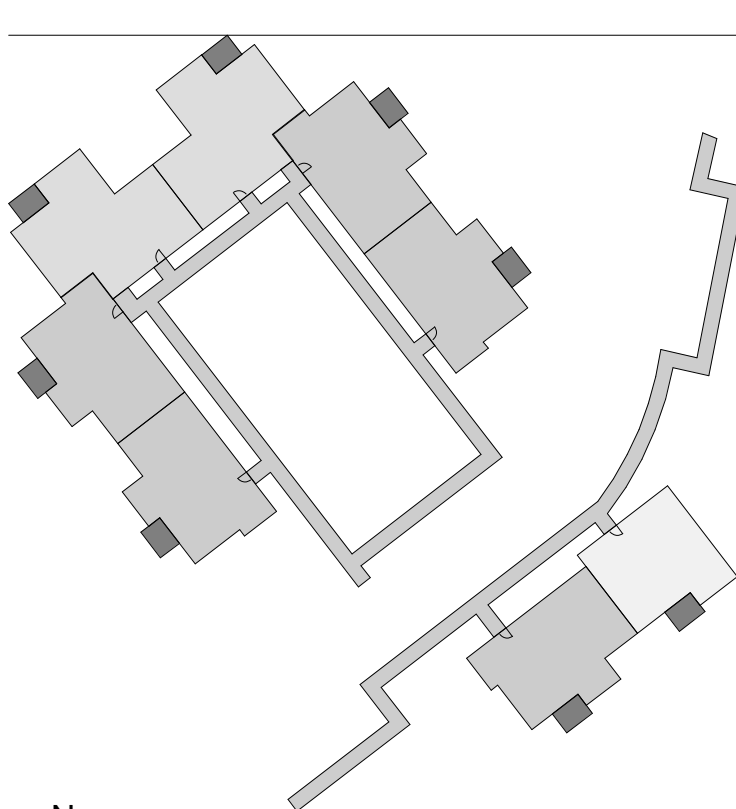
DESIGNER : JGB	DRAWN : TWH / DPW / MAH	
ARCHITECT : KAT, NSS	CHECKED : DPW / MAH / TWH	
ENGINEER : AJM	APPROVED : AJM	
NO.	REVISION DESCRIPTION	DATE

DRAWING TITLE
**FIRE SUPPRESSION
INFORMATION**

DATE: MAY 28, 2026
COMM. NO. 18135.00
DRAWING
SP0.10

APPROVAL STAMPS

KEYPLAN



N
TRUE NORTH

PLAN NOTES

1. FIRE SERVICE LINE OUT TO SITE 5'-0". REFER TO CIVIL ENGINEERS PLANS FOR CONTINUATION.
2. FIRE DEPARTMENT CONNECTION (FDC). FDC SHALL BE ON THE FRONT ADDRESS SIDE OF THE BUILDING, BE WITHIN 200 FEET AND VISIBLE FROM A FIRE HYDRANT OR AS APPROVED BY THE FIRE CODE OFFICIAL. FIELD VERIFY EXACT LOCATION ON SITE. COORDINATE TYPE AND THREADS WITH LOCAL FIRE DEPARTMENT.
3. PROVIDE ASSE 1024 CERTIFIED DOUBLE CHECK VALVE ASSEMBLY BACKFLOW PREVENTER AS PER LOCAL CODE REQUIREMENTS.
4. 120 VOLT ELECTRIC BELLHORN STROBE FOR SPRINKLER SYSTEM MOUNT ON EXTERIOR WALL.
5. WET SYSTEM ALARM VALVE RISER WITH TAMPER SWITCH, FLOW SWITCH AND ALL REQUIRED ACCESSORIES PER NFPA REQUIREMENTS. SIZE OF WET SYSTEM TO BE CONFIRMED BASED ON HYDRAULIC CALCULATIONS.
6. TO WET SPRINKLER SYSTEM.
7. DOMESTIC SPRINKLER WATER BACKFLOW PREVENTERS LOCATED BY WATER HEATER. FIRE SUPPRESSION PIPING SHALL BE PROTECTED BY ASSE 1024 CERTIFIED BACKFLOW DEVICE EQUAL TO WATTS MODEL. LEAKS DUAL CHECK BACKFLOW PREVENTER. REFER TO NFPA 13D DOMESTIC FIRE SERVICE ENTRANCE DETAIL ON SHEET SP1.10 FOR ADDITIONAL INFORMATION.
8. REFER TO NFPA 13R FIRE SERVICE ENTRANCE DETAIL ON SHEET SP1.10 FOR ADDITIONAL INFORMATION.

PROJECT TITLE

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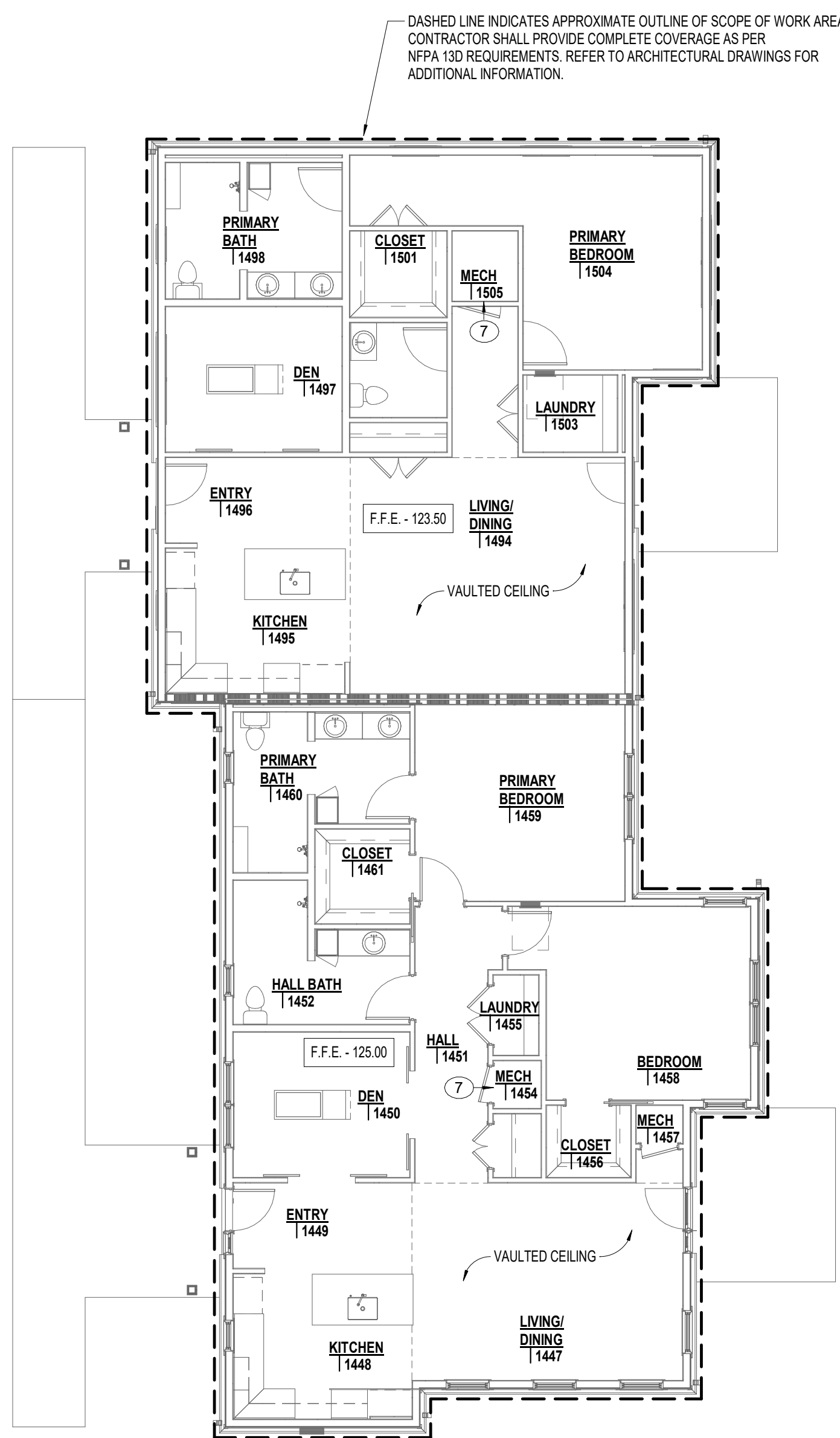
DESIGNER : JGB	DRAWN : TWH / MAH / DPW
ARCHITECT : KAT. NSS	CHECKED : DPW / MAH / TWH
ENGINEER : AJM	APPROVED : AJM

NO.	REVISION DESCRIPTION	DATE
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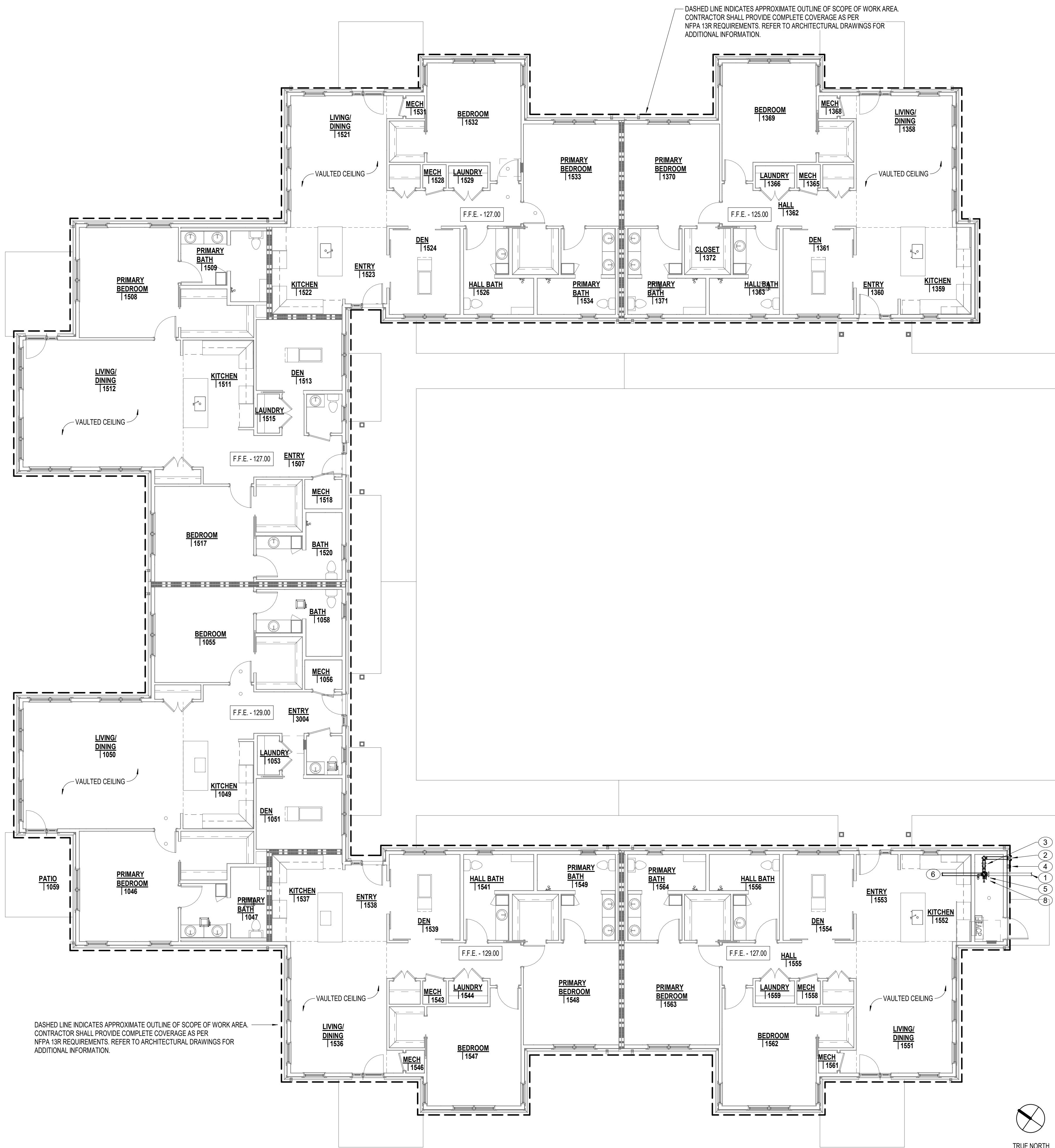
DRAWING TITLE

**FLOOR PLAN - CEDAR
CROSSING - FIRE
SUPPRESSION**

DATE : MAY 28, 2026	DRAWING
COMM. NO. 18135.00	SP1.10



DASHED LINE INDICATES APPROXIMATE OUTLINE OF SCOPE OF WORK AREA.
CONTRACTOR SHALL PROVIDE COMPLETE COVERAGE AS PER
NFPA 13D REQUIREMENTS. REFER TO ARCHITECTURAL DRAWINGS FOR
ADDITIONAL INFORMATION.



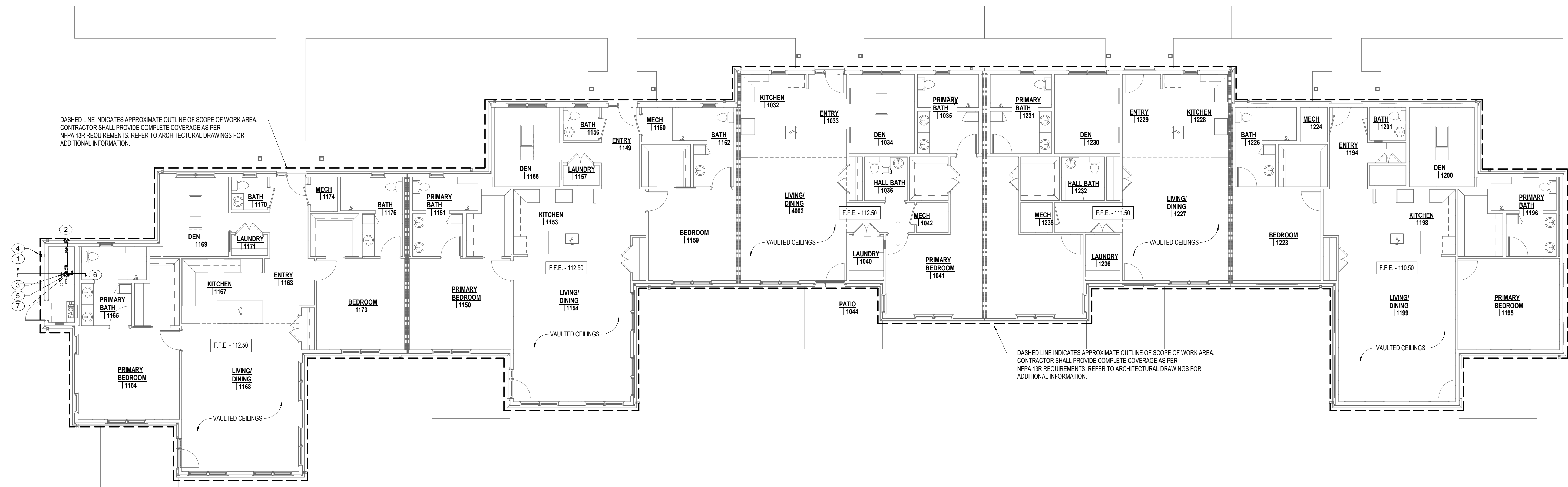
DASHED LINE INDICATES APPROXIMATE OUTLINE OF SCOPE OF WORK AREA.
CONTRACTOR SHALL PROVIDE COMPLETE COVERAGE AS PER
NFPA 13R REQUIREMENTS. REFER TO ARCHITECTURAL DRAWINGS FOR
ADDITIONAL INFORMATION.

2 FLOOR PLAN - CEDAR CROSSING - FIRE SUPPRESSION - NFPA 13D
SP1.10 1/8" = 1'-0"

1 FLOOR PLAN - CEDAR CROSSING - FIRE SUPPRESSION - NFPA 13R
SP1.10 1/8" = 1'-0"

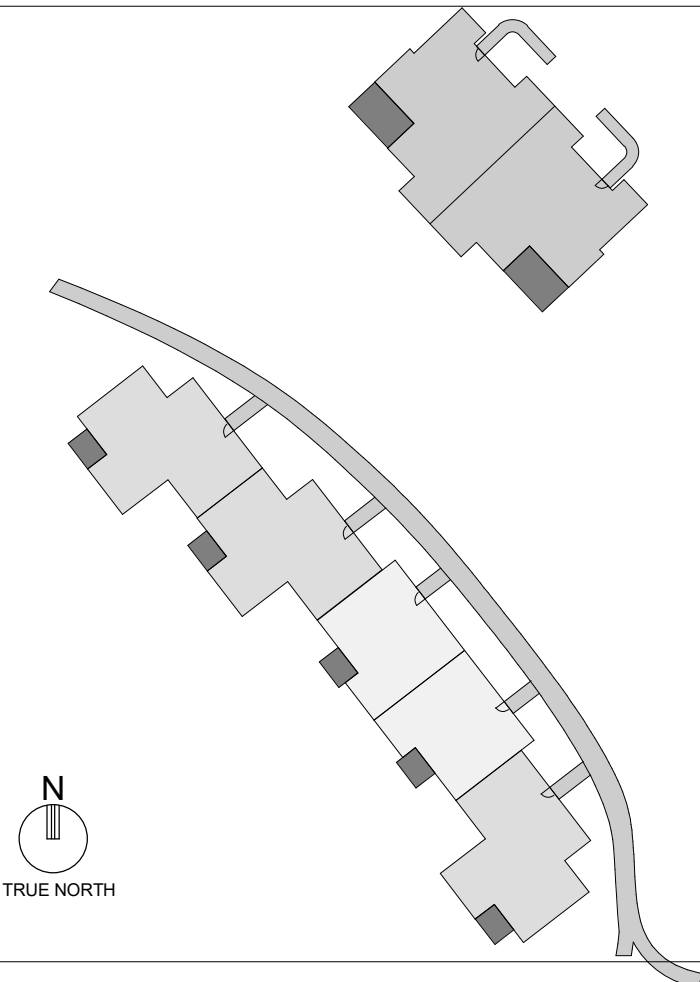
N
TRUE NORTH
PLAN NORTH

APPROVAL STAMPS



1 FLOOR PLAN - HAWTHORN PLACE - FIRE SUPPRESSION - NFPA 13R
SP1.11 1/8" = 1'-0"

KEYPLAN



PLAN NOTES

1. FIRE SERVICE LINE OUT TO SITE 5'-0". REFER TO CIVIL ENGINEERS PLANS FOR CONTINUATION.
2. FIRE DEPARTMENT CONNECTION (FDC). FDC SHALL BE ON THE FRONT ADDRESS SIDE OF THE BUILDING, BE WITHIN 200 FEET AND VISIBLE FROM A FIRE HYDRANT OR AS APPROVED BY THE FIRE CODE OFFICIAL. FIELD VERIFY EXACT LOCATION ON SITE, COORDINATE TYPE AND THREADS WITH LOCAL FIRE DEPARTMENT.
3. PROVIDE ASSE 104 CERTIFIED DOUBLE CHECK VALVE ASSEMBLY BACKFLOW PREVENTER AS PER LOCAL CODE REQUIREMENTS.
4. 120 VOLT ELECTRIC BELLHORN/STROBE FOR SPRINKLER SYSTEM MOUNT ON EXTERIOR WALL.
5. WET SYSTEM ALARM VALVE RISER WITH TAMPER SWITCH, FLOW SWITCH AND ALL REQUIRED ACCESSORIES PER NFPA REQUIREMENTS. SIZE OF WET SYSTEM TO BE CONFIRMED BASED ON HYDRAULIC CALCULATIONS.
6. TO WET SPRINKLER SYSTEM.
7. REFER TO NFPA 13R FIRE SERVICE ENTRANCE DETAIL ON SHEET SP1.10 FOR ADDITIONAL INFORMATION.

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ENGINEER : AJM	APPROVED : AJM

NO.	REVISION DESCRIPTION	DATE
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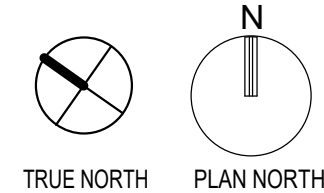
DRAWING TITLE
**FLOOR PLAN - HAWTHORN
PLACE - FIRE
SUPPRESSION**

DATE: MAY 28, 2026	DRAWING
COMM. NO. 18135.00	SP1.11

APPROVAL STAMPS



2 FLOOR PLAN - VILLA (DUPLEX) - FIRE SUPPRESSION - NFPA 13D
SP1.12 1/8" = 1'-0"



1 FLOOR PLAN - VILLA (QUAD) - FIRE SUPPRESSION - NFPA 13R
SP1.12 1/8" = 1'-0"

- [illegible]

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ARCHITECT : KAT, NSS	CHECKED : DPW / MAH / TWH	
ENGINEER : AJM	APPROVED : AJM	
NO.	REVISION DESCRIPTION	DATE

DRAWING TITLE
FLOOR PLAN - VILLAS -
FIRE SUPPRESSION

DATE:	MAY 26, 2026	DRAWING
COMM. NO.	18135.00	

SP1.12